Grade 7	KAS Standard: Use proportional relationships to solve multistep ratio and percent problems.	Accommodations
Math	Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees,	and Supports
M-7.1	percent increase and decrease, percent error.	(Should align with
KAS-KAA	AP Content Assessment Standard: Use proportional relationships to solve multistep ratio and	IEP)
percent pr	· · · · · · · · · · · · · · · · · · ·	
	s the student need to know to begin? (pre-requisite skills) parts of a whole, decimal, fractions, rol	unding, place value to
	tent specific vocabulary, calculator skills, symbols identification %, solving single step ratio and percen	
determinin	ng the tax on 1 meal or % off on one purchase),using a key on a chart/map/drawing.	
What will	the student be able to do? (student outcomes) solve multistep ratio and percent problems.	
How will y	you task analyze the skill?	
TIOW WIII	you task analyze the skin:	
How will y	you teach this? (SDI, strategies) regular ed. Text, coach, ladders, work out, fundraising, CBI, sale ite	ems and comparison
shopping,	calculating tips and tax, scale drawings for ratios, recipes, pay checks, bank account, key on a map.	
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	t <b>erials will be needed?</b> calculator, percent increase chart, formula charts/cue cards, tip charts, graphic ne, ruler, money.	c organizer, model,
Hullibel III	ie, ruier, money.	
What will	daily checks for understanding look like? (formative assessment)	
What wer	e the outcomes of your practice test (summative assessment)?	
Reflections (what worked well, what will you change next time)		
ivenections (what worked well, what will you change liext time)		

KAS-KAAI and negation appropriate	make an additional 1/10 of her salary an hour, or \$2.50, for a new salary of \$27.50.  P Content Assessment Standard: Solve real-life and mathematical problems posed with positive	
	ve rational numbers, (whole numbers, fractions and decimals) converting between forms as	
parts of a v value, unde	s the student need to know to begin? (pre-requisite skills) content specific vocabulary/symbols (pwhole, fractions, decimals, equivalence between fractions and decimals, visual interpretations of parts erstanding the meaning of zero, understand greater/less than, be able to read the question and pull cations, decimals and percentage.	of a whole, place
	the student be able to do? (student outcomes) given a real world math problem, student will be able equation to solve the problem using positive and negative rational numbers, converting between for	
How will y	ou task analyze the skill?	
(Van DeWa (equivalent	<b>You teach this? (SDI, strategies)</b> coach, ladders, workout, websites/smart apps, CBI, books Element alle and Karp) and Math Doesn't Suck, How to Survive MS Math (McKellar), salaries, hourly wage, "coat fractions, pizza examples), comparing fractions (is your sister trying to cheat you out of your fair shareme couponing, doubling and reducing recipes, balancing a check book, teaching temperature.	opy cat" fractions
	erials will be needed? calculator, computer, websites, model/cue cards, conversion charts, excel, ch mber line, graphic organizer, thermometer.	eckbook, recipes,
What will	daily checks for understanding look like? (formative assessment)	

What were the outcomes of your practice test (summative assessment)?	
Reflections (what worked well, what will you change next time)	

Grade 7	KAS Standard: Apply and extend previous understandings of addition and subtraction to add and	Accommodations
Math	subtract rational numbers; represent addition and subtraction on a horizontal or vertical number	and Supports
M-7.3	line diagram. d. Apply properties of operations as strategies to add and subtract rational numbers.	(Should align with IEP)
KAS-KAA	P Content Assessment Standard: Apply and extend previous understandings of addition and	ıLı <i>)</i>
	n to add and subtract rational numbers on a horizontal or vertical number line diagram.	
	s the student need to know to begin? (pre-requisite skills) number line/linear knowledge of numb	
	nd subtraction, content specific vocabulary, symbols, knowledge of vertical number line, knowledge of	rational and irrational
numbers,	order of operation for addition and subtraction.	
What will	the student he able to de? (student outcomes) student will be able to add and subtract rational nu	mhare using a number
line.	the student be able to do? (student outcomes) student will be able to add and subtract rational number of the student be able to do?	inders using a number
How will	you task analyze the skill?	
	you teach this? (SDI, strategies) math balance, coach, ladders, workout, websites, floor number line	
•	te lines, calendar, temperature, thermometer (for vertical number line), height chart, water levels, bar of	graphs, real world
problems,	measuring cups (for measure lines).	
What mat	erials will be needed? calculator, manipulatives, graphic organizers, variety of number lines (height of	chart, measuring cup,
thermome	ter), water level charts, bar graphs.	
_		
What will	daily checks for understanding look like? (formative assessment)	
What wer	e the outcomes of your practice test (summative assessment)?	
TTIIAL WEI	o the datability of your product took (daminative assessmenty:	
Reflection	ns (what worked well, what will you change next time)	

Grade 7 Math M-7.4	<b>KAS Standard:</b> Solve real-world and mathematical problems involving the four operations with rational numbers.	Accommodations and Supports (Should align with
	P Content Assessment Standard: Solve real-world and mathematical problems involving the four	IEP)
	s with rational numbers.	
	s the student need to know to begin? (pre-requisite skills) conceptual understanding of addition, so ion, and division, holistic problem solving, calculator skills, content specific vocabulary.	subtraction,
What will	the student be able to do? (student outcomes)	
How will y	you task analyze the skill?	
Math book	you teach this? (SDI, strategies) problems without numbers, math balance, coach, ladders, workout, manipulatives, unifix cubes, bingo chips, number cards, ten frames, subsidizing cards, math fact war games, snap, rummy, building a problem using number cards, dice, comparison models using manipul	card game, black
What mat	erials will be needed?	
What will	daily checks for understanding look like? (formative assessment)	
What wer	e the outcomes of your practice test (summative assessment)?	

Reflectio	ns (what worked well, what will you change next time)	
Grade 7 Math M-7.5	<b>KAS Standard:</b> Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.	Accommodations and Supports (Should align with IEP)
	AP Content Assessment Standard: Solve problems involving scale drawings of geometric figures, computing actual lengths and areas, (triangles and quadrilaterals) from a scale drawing.	ici )
What does the student need to know to begin? (pre-requisite skills) 1) content specific vocabulary, calculator, determine formula needed/recognize formulas, multiply, solve for unknown missing link, knowledge of shapes.		
What will	the student be able to do? (student outcomes)	
How will	you task analyze the skill?	
tinker toys	you teach this? (SDI, strategies) graph paper, geoboards, carpet squares, unit blocks, tiles, online g s to model problems without numbers, coach, workout, ladders, scavenger hunt for shapes throughout n for the room, matching visual representation to number equations.	
What ma	terials will be needed?	
What will	daily checks for understanding look like? (formative assessment)	

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What wer	e the outcomes of your practice test (summative assessment)?	
Reflection	ns (what worked well, what will you change next time)	
Grade 7	KAS Standard: Solve real-world and mathematical problems involving area, volume and surface	Accommodations
Math	area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes,	and Supports
M-7.6	and right prisms.	(Should align with
	P Content Assessment Standard: Solve real-world or mathematical problems involving volume	IEP)
	ce area of three dimensional objects composed of cubes and right prisms.	
	s the student need to know to begin? (pre-requisite skills) calculator skills, content specific voca	bulary, determine
formula ne	eeded, knowledge of shape properties, relationship of area, surface area, and volume.	
What will the atodays he able to de O (atodays autoayaa)		
What will the student be able to do? (student outcomes)		
How will	you task analyze the skill?	
,	•	
_		
	you teach this? (SDI, strategies) coach, ladders, workout, Elementary and MS math book, websites	
manipulatives, use graph paper to determine individual surface are and then fold to create 3-dimensions, filling "fish tank" with unit blocks, match equation cards to visual representation of volume.		
DIOCKS, III	atch equation cards to visual representation of volume.	
What mat	erials will be needed?	

What will daily checks for understanding look like? (formative assessment)
What were the outcomes of your practice test (summative assessment)?
Reflections (what worked well, what will you change next time)